





GENUINE REAR WING

INSTALLATION AND USER'S INSTRUCTIONS

Thank you for purchasing a genuine Mazda accessory.
Before removal and installation, be sure to thoroughly read these instructions.
Please read the contents of this booklet in order to properly install and use the rear wing.
Your safety depends on it.
Keep these instructions with your vehicle records for future reference.

WARNING

- There are several  **WARNING** and  **CAUTION** sections in this booklet concerning safety when installing or removing the rear wing. Always read and follow them in order to prevent injuries, accidents, and possible damage to the vehicle.
 -  **WARNING:** Indicates a situation in which serious injury or death could result if the warning is ignored.
 -  **CAUTION:** Indicates a situation in which bodily injury or damage to the vehicle could result if the caution is ignored.
- Do not modify the rear wing.
- Do not install the rear wing in any way other than described in the following instructions.
- If in any doubt, please ask your Mazda dealer to install the accessory in order to prevent errors in installation.
- If you have any questions about the use of the accessory, ask your Mazda dealer for proper advice before using it.
- Mazda and its suppliers are not responsible for injuries, accidents, and damage to persons and property that arise from the failure of the dealer or installer to follow these instructions.
- To ensure safety and reliability of the work, installation, removal and disposal work must be carried out by an Authorized Mazda Dealership.
- Be careful not to lose removed parts, and be sure that they are kept free from scratches, grease or other dirt.

PART NAME: REAR WING
PART NUMBER: QSEA 51 96Z
VEHICLE: Mazda RX-8

NOTE

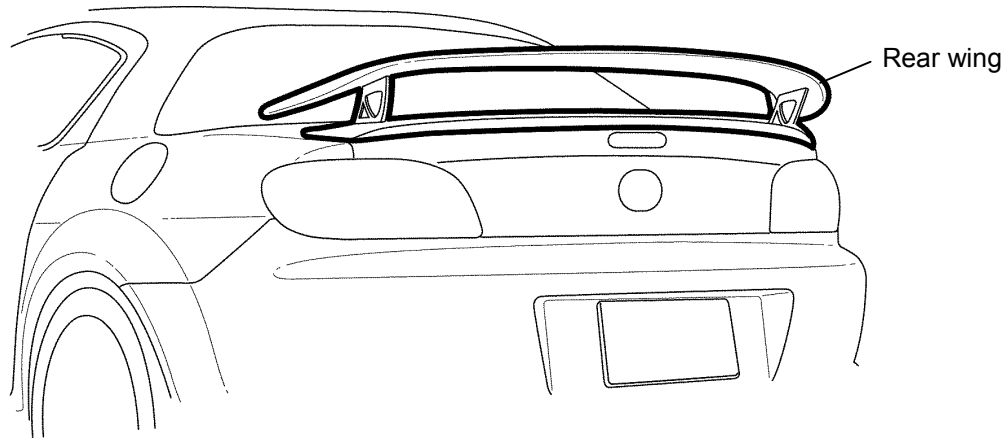
To the dealer

- Please turn over these instructions to the customer after installation.

To the customer

- Keep these instructions after installation. The instructions may be necessary for installing other optional parts or removal of this accessory.
- Should the vehicle or this accessory be resold, always leave these instructions with it for the next owner.

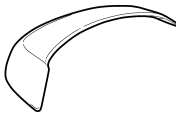

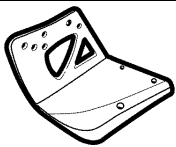
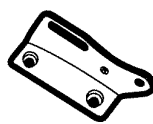
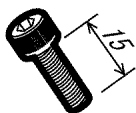
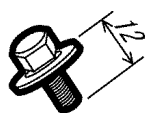







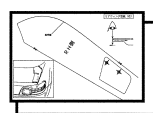
1 INSTALLATION VIEW



2 PARTS

Note

- Before installation, verify that the kit includes all the following parts and that they are free of dirt, scratches, or damage.

Part	Part name	Spec	Qty.	Part	Part name	Spec	Qty.
	Rear wing upper	ABS, same as the body color	1		Rear wing lower	ABS, same as the body color	1
	Foot base (RH, LH)	Aluminum, die-cast	1 ea.		Foot bracket (RH, LH)	Aluminum, die-cast	1 ea.
	Hexagon socket head bolt	M5 x 15	4		Hexagon head bolt (Upset bolt)	M6 x 12	4
	Truss screw	M5 x 8	6		Spring washer	M5	10
	Plain washer	M5	14		Cap nut	M5	4
	Urethane seal	Urethane	4		Urethane sheet	Urethane	2
	Installation and user's instructions	Paper	1		Template (for RH, LH)	Paper, A3 size	1 ea.

3

BEFORE INSTALLATION

REQUIRED TOOLS

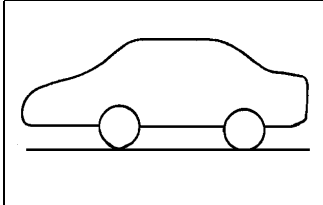
Prepare the following tools or items before installation.

- | | | | |
|--|-----------------------|---------------|-----------|
| ★Wrench (8 mm, 10 mm) | ★Clean, soft cloth | ★Clean rag | ★Drill |
| ★Allen wrench (3 mm, 4 mm) | ★Phillips screwdriver | ★Duct tape | ★Scissors |
| ★Socket wrench (6 mm) | ★Fastener remover | ★Masking tape | ★Punch |
| ★Drill bit (3 mm, 8 mm) | ★Touchup paint | ★Round file | |
| ★Isopropyl alcohol (IPA) or white gasoline | | | |



WARNING

Before performing work, park the vehicle on level ground, apply the side brake securely, and then block the wheels. If the vehicle moves while performing work, it may cause injury.



CAUTION

Use the most appropriate (size, use) tool for each task. Otherwise the parts may be damaged.	Be sure to cover the vehicle body with protectors or mats when removing/installing parts. Otherwise, the vehicle may be scratched or become dirty.	Place the removed parts and the parts in the kit on a protective sheet to prevent scratches.



CAUTION

- Be sure to perform the installation work in a team of two or more.



WARNING

- Refer to the Workshop Manual for removal and installation of vehicle parts. Not following the procedures for removal/installation in the Workshop Manual could result in an accident or vehicle malfunction.

4 REAR WING INSTALLATION

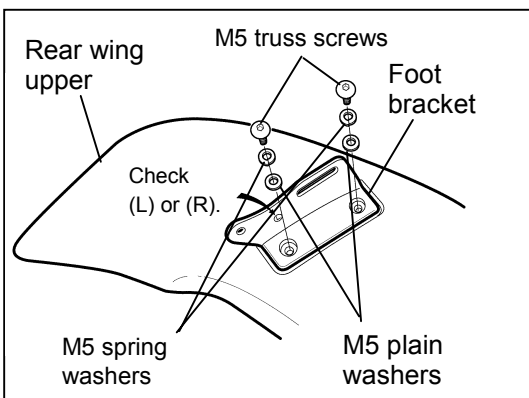


Note

- The figures show the left side; however, perform the same procedure for the right side.

Vehicle protection

1. Open the trunk lid, and cover the entire trunk lid opening with a soft cloth for protection.

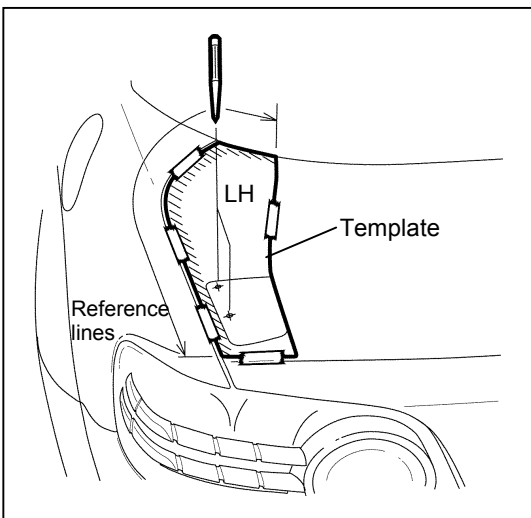


Rear wing (upper) assembly

1. Temporarily install the foot bracket with the M5 truss screws, M5 spring washers, and M5 plain washers to the rear wing (upper).

CAUTION

- There are left and right foot brackets. Be sure to install each to the correct side.



Trunk lid drilling

1. Cut out the templates.
2. Affix the templates along the edges of the trunk lid and secure them with masking tape.

CAUTION

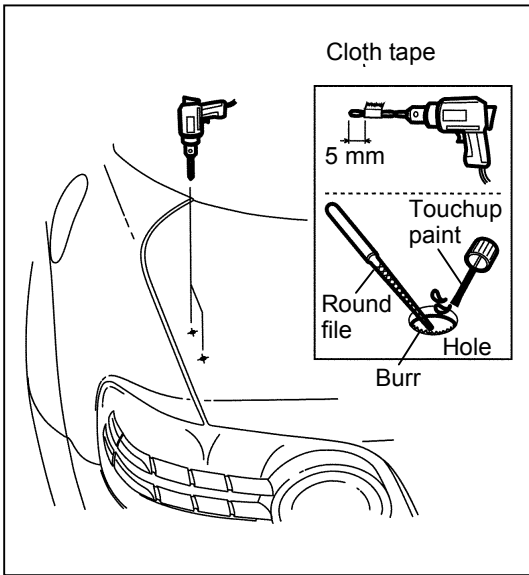
- Reference lines are printed on each template. Be sure to affix the templates in the specified position.

3. Tap drill hole marks with a punch in the crosshair marks on the templates (2 locations each side).

CAUTION

- Do not punch the trunk lid hard, otherwise it may be deformed.

4. Remove the template from the trunk lid.



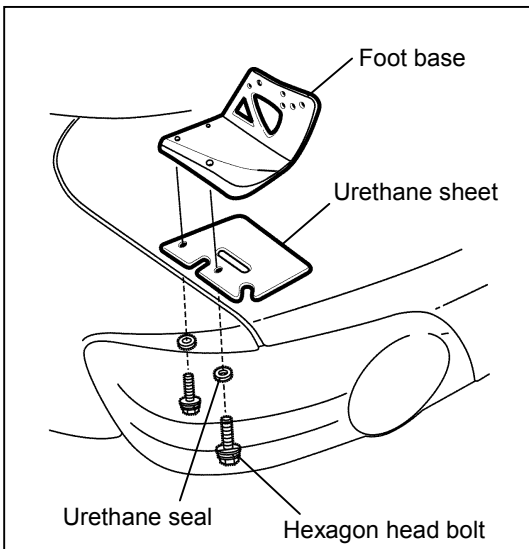
5. Drill 3-mm holes at the hole marks.
6. Widen the holes drilled in step 5 to 8 mm. (2 locations each side)

⚠ WARNING

- Drills and other sharp objects can cause serious injury. Be careful when handling drills and other sharp objects.

⚠ CAUTION

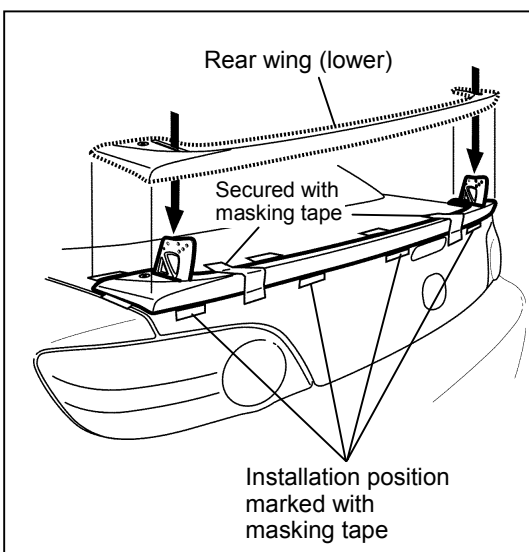
- To prevent scratching and overdrilling, be sure to wrap the drill bit with duct tape.
- Completely remove particles from the trunk and cabin, otherwise the particles may cause rust or abnormal noise.
- Be sure to remove burrs around the drilled holes with a round file and apply touchup paint for rust prevention.



7. After completing drilling, remove burrs around the drilled holes with a round file.
8. Wipe off any dust or oil from the installation surface of the rear wing using IPA.
9. Apply touchup paint and dry completely for rust prevention.
10. Remove the cloth covering the trunk lid opening.

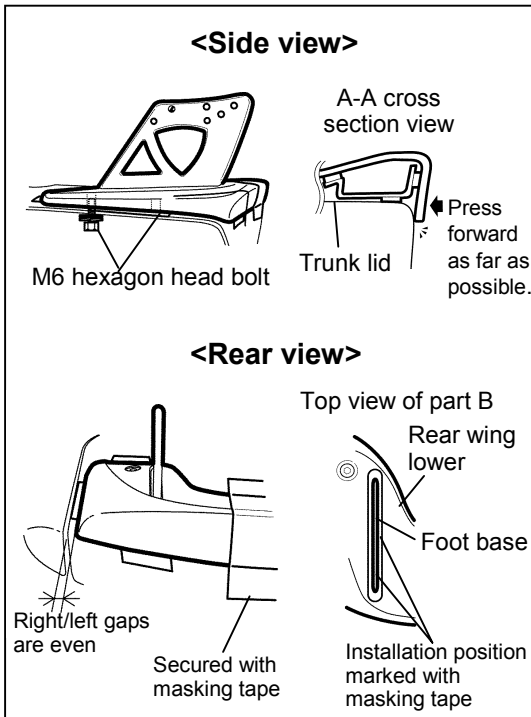
Foot base temporary installation

1. Align the holes and affix the urethane sheet.
2. Affix the urethane seal to the trunk lid and temporarily install the foot base with the hexagon head bolts.



Rear wing (lower) installation

1. Position the rear wing (lower) so that it is spaced evenly on all sides.
2. Mark the installation position with masking tape.



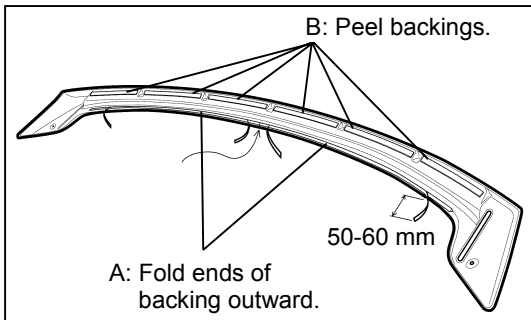
⚠ CAUTION

- Press the rear wing (lower) as far forward up against the trunk lid as possible. Adjust the position so that it is even on both sides when viewed from the rear.
- Adjust the rear wing (lower) so that the gap between the side lines of the trunk lid and the rear wing lower are even on both sides.
- Make sure, by looking from above, that the hole in the rear wing (lower) is positioned evenly in relation to the foot base.

3. Secure the rear wing (lower) with masking tape.
 4. Install the foot base with the hexagon head bolts.
- Tightening torque :**
6.8 - 9.8N·m {70 - 99 kgf·cm, 61 - 86 in·lbf}
5. Remove the masking tape securing the rear wing and remove the rear wing (lower).

⚠ CAUTION

- Do not remove the masking tape for the rear wing (lower) installation position.

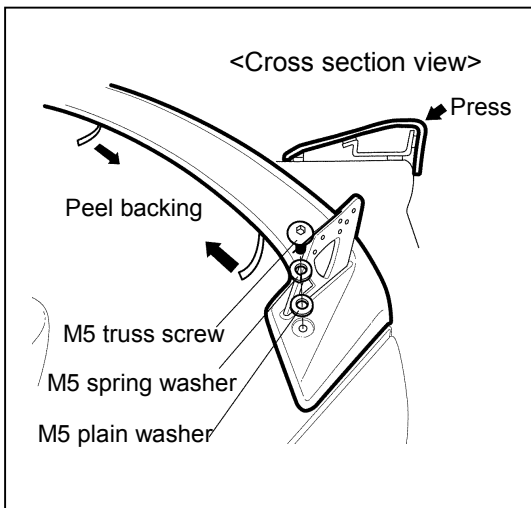


6. Peel the backings of the double-sided adhesive tape on the back of the rear wing lower as shown in the figure.

A: Peel the ends of the adhesive tape backing approx. 50-60 mm and fold outward.

Cut the backing at the center.

B: Completely peel off the backing.

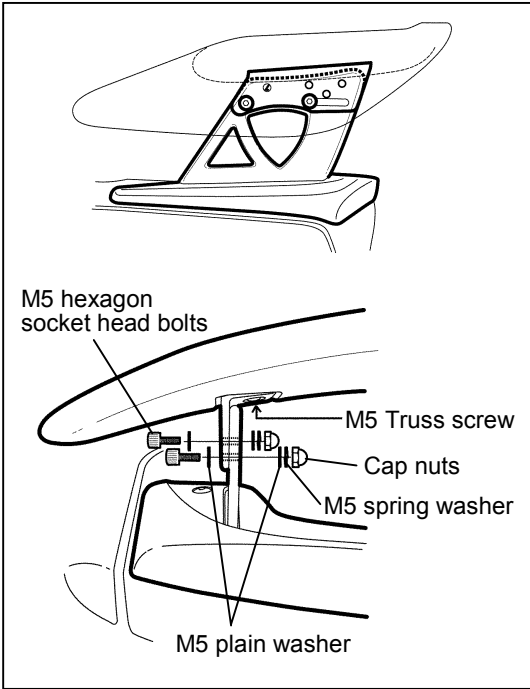


⚠ CAUTION

- Make sure that the rear wing (lower) is installed according to the installation marked by the masking tape.

7. Align the rear wing with the masking tape marking the installation position and press to adhere the double-sided adhesive tape.
8. Install the M5 truss screw, M5 spring washer, and M5 plain washer to the hole shown in the figure.

Tightening torque:
6.8 - 9.8 N·m {70 - 99 kgf·cm, 61 - 86 in·lbf}
9. After installing, remove the masking tape.



Rear wing upper installation

1. Install the rear wing upper with the M5 hexagon socket head bolts, M5 spring washers, M5 plain washers, and cap nuts.

Tightening torque:

3.5 - 3.9 N·m {36 - 39 kgf·cm, 31 - 34 in·lbf}

⚠ CAUTION

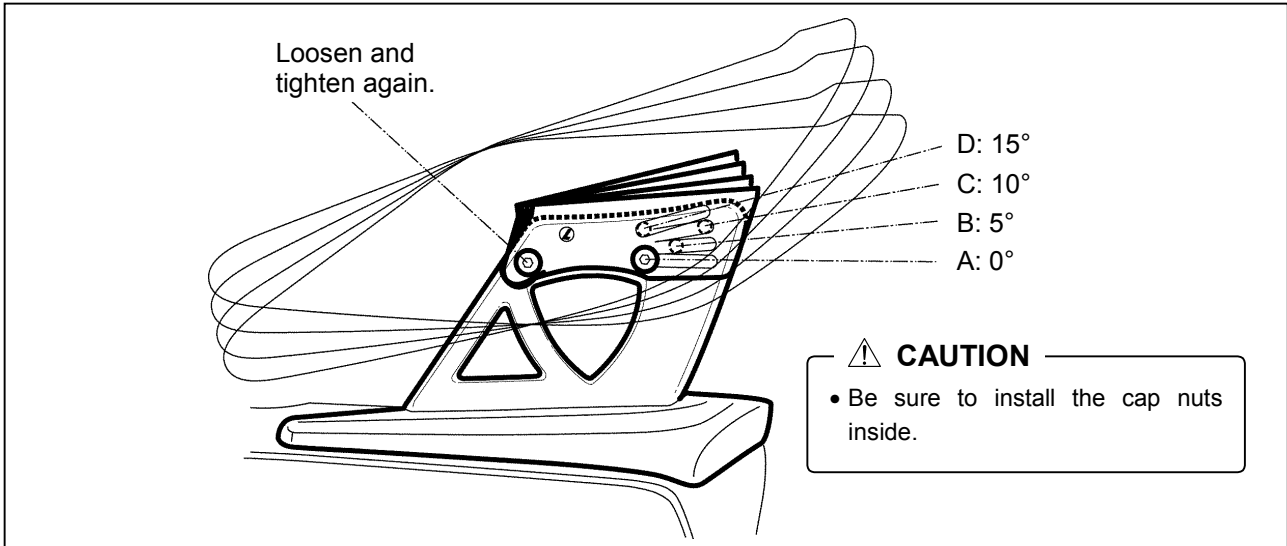
- If there is a gap between the foot base and bracket, loosen the M5 truss screws securing the foot bracket and slightly adjust the gap.

5 INSTRUCTION FOR USE

- The angle of the rear wing can be adjusted to four different levels according to driving conditions.
- For general driving, use the following angles given their excellent balance between high-speed stability and driveability.

A	Vehicle with normal bumper
B	Vehicle with genuine front air dam skirt and vehicle with Mazdaspeed front bumper face
C-D	For circuit driving or increasing downforce on low-traction road

*For A-D, see the figure below.



1. Loosen the bolt and nut on the front side.
2. Remove the bolt and nut on the rear side, and install them into the same hole on both sides.
3. With a torque wrench, tighten the bolt and nut securely to the specified torque.

Tightening torque: 3.5-3.9 N·m {36-39kgf·cm, 31-34in·lbf}

WARNING

- Be sure to tighten the bolt and nut to the specified torque. If they are not tightened securely, the accessory may come off during driving resulting in a serious accident.

CAUTION

- The bolt and nut tend to become loose if the rear wing angle is adjusted repeatedly. Consult your Authorized Mazda Dealer when adjusting the angle for the sixth time.

6 CAUTIONS FOR USE

CAUTION

- Do not drive through an automatic car wash. A brush may catch on the accessory, damaging the vehicle and/or the rear wing.
- The rear wing is not a handle. Do not open/close the trunk holding the wing. The adjustable mechanism may be damaged.
- Open/close the trunk lid lightly and gently. (Allow the trunk lid to close by its own weight.) If it is opened/closed forcefully, vehicle parts and the rear wing may be damaged.
- When the accessory gets dirty, clean it with neutral detergent. Never use thinner, benzene, or any organic solvent.
- Installation of the rear wing slightly decreases the lid holding performance when opening/closing the trunk lid.
- When loading/unloading baggage, choose level ground and make sure that the trunk lid is fully opened. If it is not, the vehicle body may rock slightly when baggage is placed, causing the trunk lid to slow shut.
- When closing the trunk lid, be careful not to pinch your hand or other parts of your body.